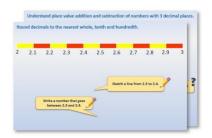
Year 4: Week 1, Day 1

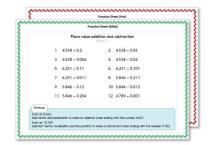
Decimals on number lines

Each day covers one maths topic. It should take you about 1 hour or just a little more.

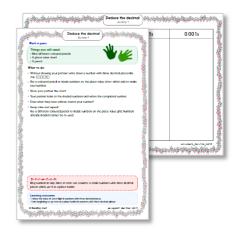
1. Start by reading through the **Learning Reminders**. They come from our *PowerPoint* slides.



Tackle the questions on the Practice Sheet.
 There might be a choice of either Mild (easier) or Hot (harder)!
 Check the answers.

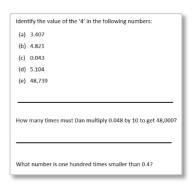


3. Finding it tricky? That's OK... have a go with a grown-up at A Bit Stuck?

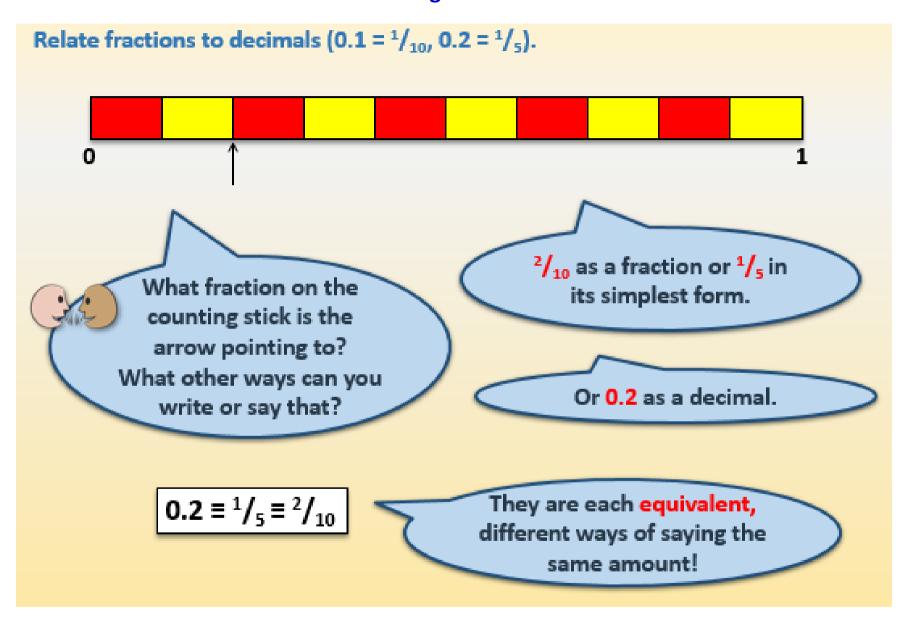


4. Have I mastered the topic? A few questions to Check your understanding.

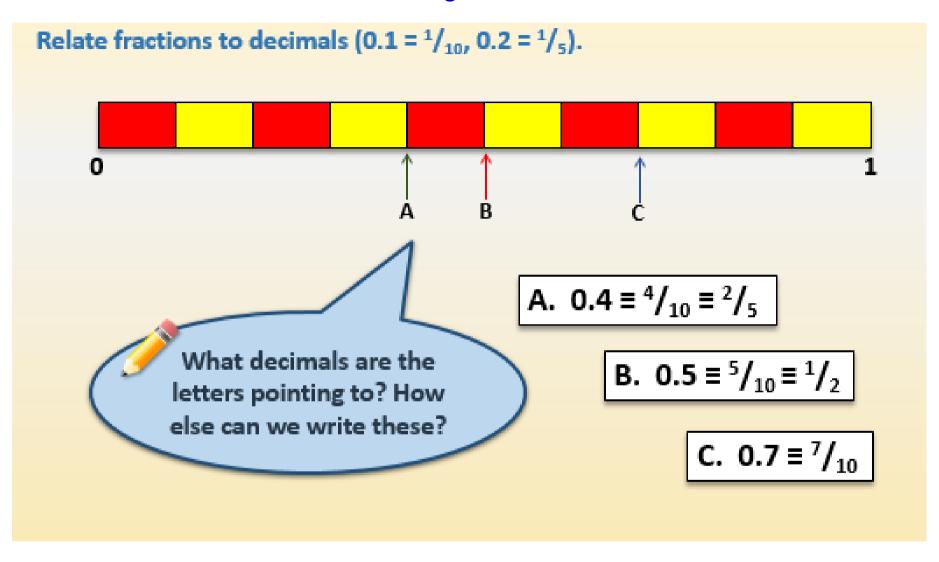
Fold the page to hide the answers!



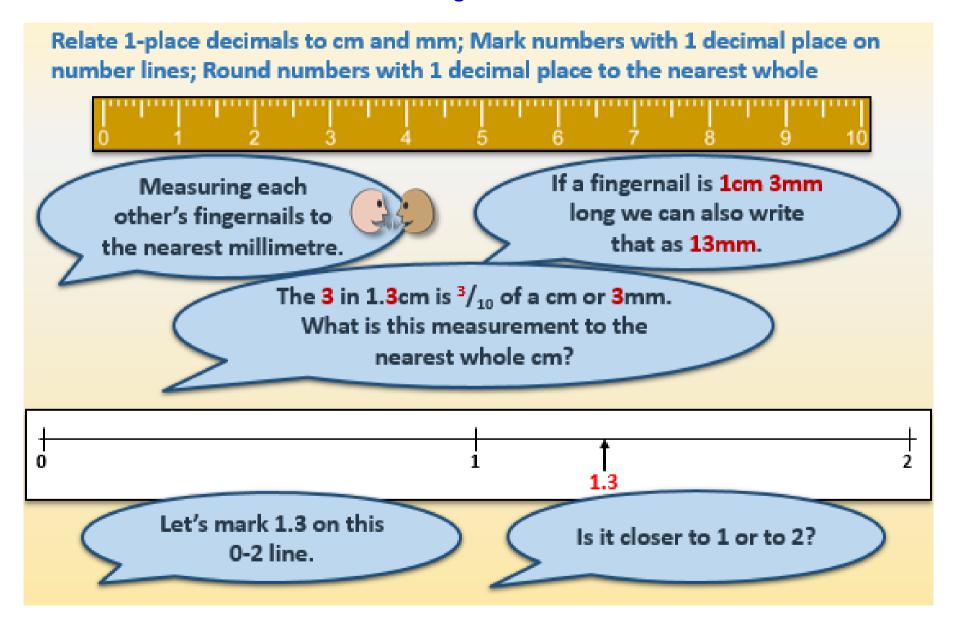
Learning Reminders



Learning Reminders



Learning Reminders



Practice Sheet Mild

Placing decimals on lines

Place these decimals on the line. Draw a line from each decimal to round to the nearest whole number. Remember that we round up numbers ending in 5.

1.5, 0.9, 3.2, 4.7, 2.4



7.5, 5.7, 9.9, 6.3, 8.8



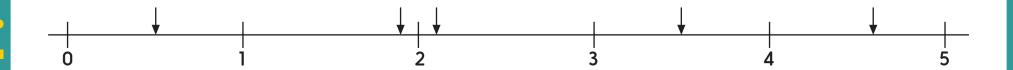
Challenge

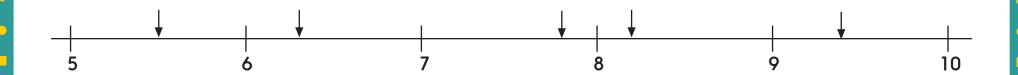
Write two new numbers between 3 and 4, each with one decimal place. One number must round <u>up</u>, and the other must round <u>down</u>.

Practice Sheet Hot

Identifying decimals on lines

Label the mystery decimals. Draw a line from each decimal to round to the nearest whole number.



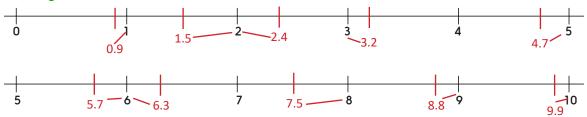


Challenge

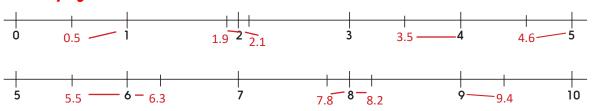
Write a different number with one decimal place which rounds \underline{up} to 5.Write a different number with one decimal place which rounds \underline{down} to 5.

Practice Sheets Answers

Placing decimals on lines (mild)



Identifying decimals on lines (hot)



A Bit Stuck?

Decimals are a snip

Work in pairs, but stick your fraction strips into your own book/on paper

Things you will need:

- Tenths strips
- Scissors
- Glue sticks



What to do:

- · Choose at least three numbers less than 1 and at least three numbers more than 1 to show using your tenths strips.
- Look at each number written in the table below.
- Write the number and stick the strips by the side.

ls •	0.1s
0	2
0	7
1 •	2
2	1
2 2	4
1	8
0	6
1	5
2	3

0		
0	1.2	
0		
0		
000		
0		

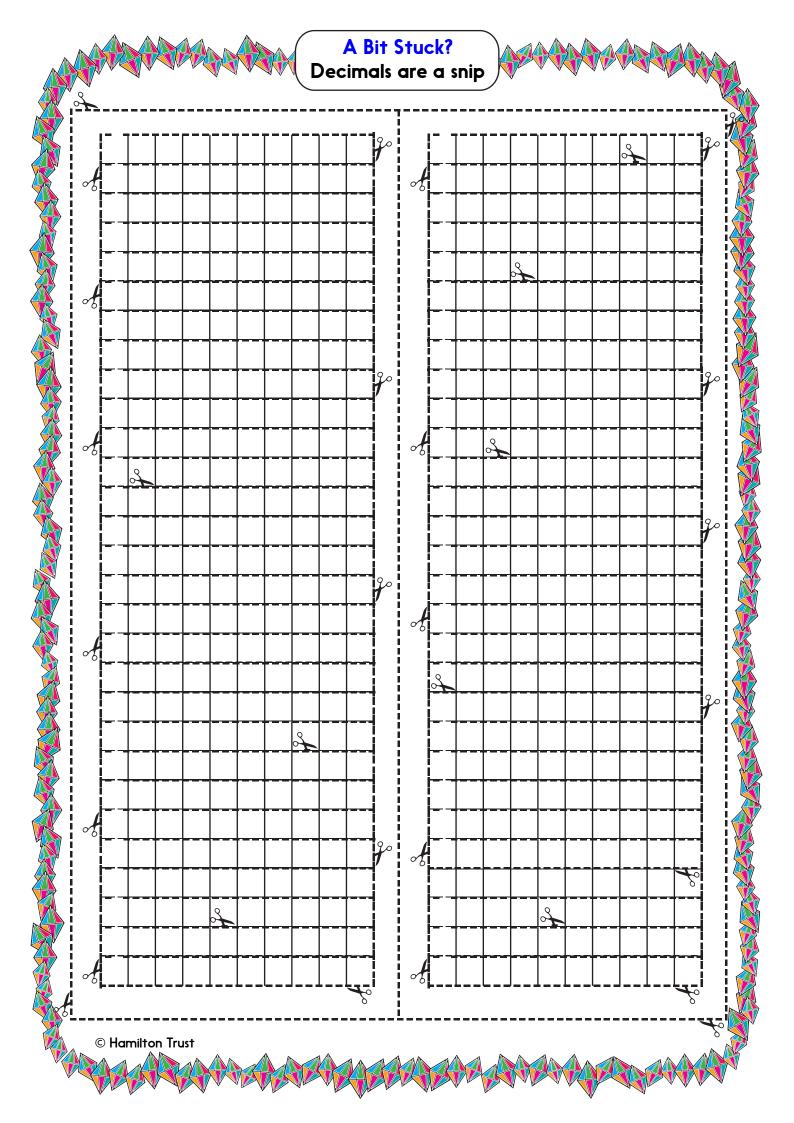
S-t-r-e-t-c-h:

Write all your numbers in order from smallest to largest.

Learning outcomes:

- I can understand the value of each digit in numbers with one decimal place.
- I am beginning to order numbers with one decimal place.

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Check your understanding Questions

Write each number as a decimal:

(i) One and four tenths

(ii) $^{6}/_{10}$

(iii) $10^2/_{10}$ (ten and two tenths)

(iv) One half

(v) One fifth

Billy measured his mobile phone.

These were its dimensions:

Length = 12cm and 8mm

Width = 64mm

Thickness = 8mm

Write these as numbers of centimetres, with a decimal place if necessary.

Write four numbers with one decimal place between 3 and 4. Two should be closer to 3 and then 4 and two should be closer to 4 than 3.

Fold here to hide answers

Check your understanding Answers

Write each number as a decimal:

- (i) One and four tenths 1.4
- (ii) $^{6}/_{10}$ 0.6
- (iii) $10^2/_{10}$ (ten and two tenths) 10.2
- (iv) One half 0.5
- (v) One fifth 0.2

Check on a fraction/decimal number line.

Billy measured his mobile phone.

These were its dimensions:

Length = 12cm and 8mm 12cm and 0.8cm

Width = 64mm 6.4cm

Thickness = 8mm 0.8cm

Write these as numbers of centimetres, with a decimal place if necessary.

Write four numbers with one decimal place between 3 and 4. Two should be closer to 3 and then 4 and two should be closer to 4 than 3. E.g. 3.2 and 3.4, and 3.6 and 3.9.

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